

XSRS19A

Function:

Rotary seals are designed to seal the pressurized hydraulic fluid against the atmosphere or between two pressurized spaces.

Features:

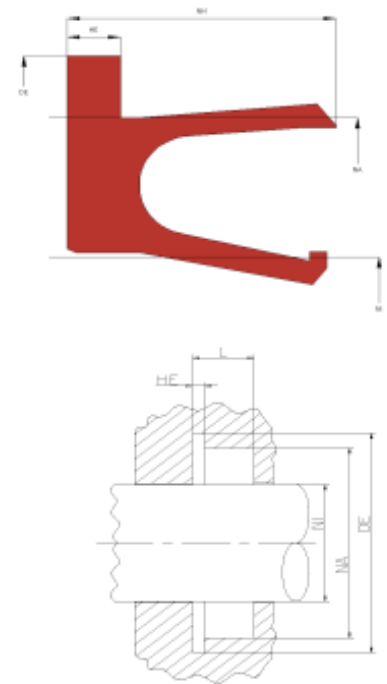
- Asymmetrical, single acting rotary seal with clamping flange.
- Preload effected through V-spring.
- Dynamic sealing lip shorter than static lip to avoid drag pressure.
- Excellent static and dynamic sealing performance.
- Useable for short and long stroke lengths.
- Low friction in dry running or poor lubrication conditions, no stick-slip effect.

Application:

Reciprocating and swivelling shafts.

Chemical and pharmaceutical industry, aggressive fluids and high temp.

Max. pressure 150 bar, max. speed 2 m/s.

**Seal housing recommendation:**

Tolerances	[mm]	
L < 10mm	+0.2	
L ≥ 10mm	+0.3	
Ø NA	H9	
Ø NI	h10	

Surface roughness	Rtmax [µ]	Ra [µ]
Bottom of groove	≤ 6.3	≤ 1.6
Face of groove	≤ 15	≤ 3

Sliding surface	Rtmax [µ]	Ra [µ]
PU, elastomeres	≤ 2.5	≤ 0.1 - 0.5
PTFE	≤ 2	≤ 0.05 - 0.3

Installation:

Installation in open housing.